



How to reset the print meter

Allows to reset the built-page counter in the toner cartridges with an Arduino board

Written By: MattMich

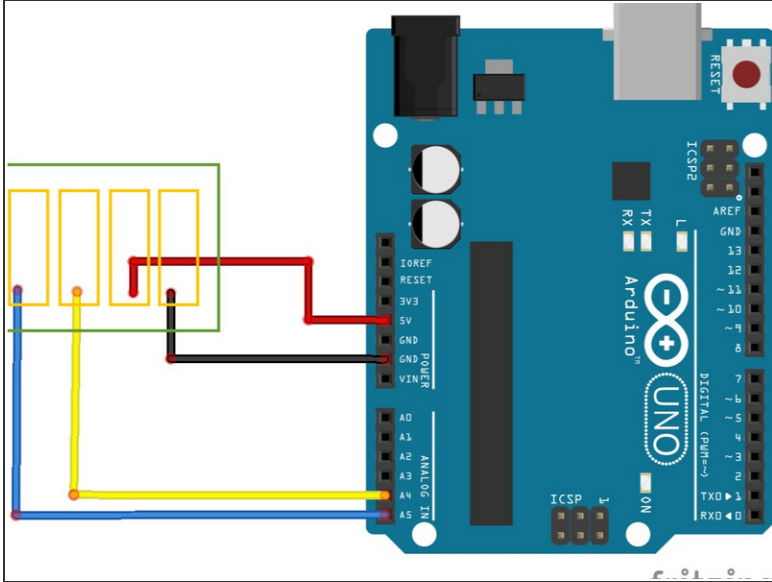


Step 1 — Locate the electronic board



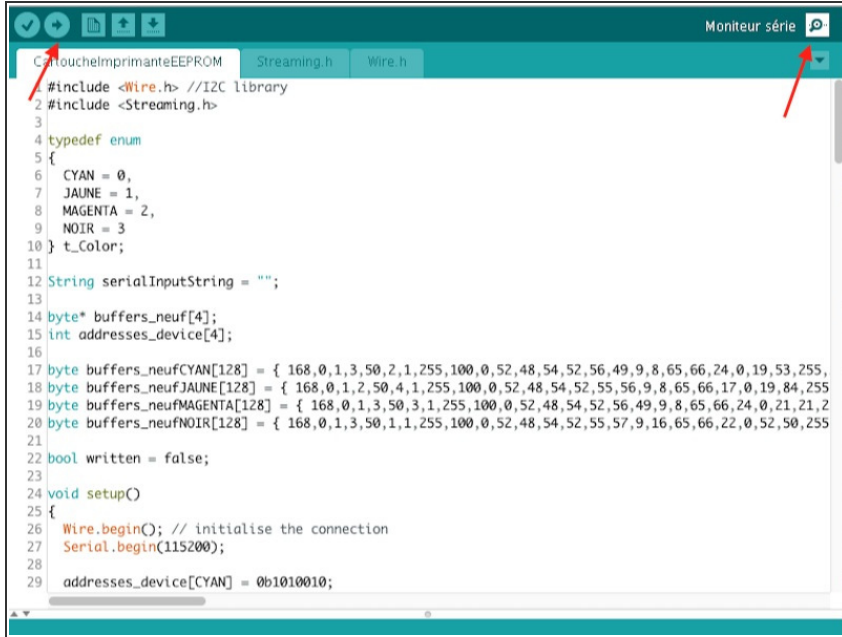
- On the cartridge side is a small circuit board with 4 contacts.
- For those interested to transpose on other models in the back of the card in these cartridges is a EEPROM BR24L01A-W

Step 2 — Prepare a mounting Arduino



- We can reprogram the EEPROM with an Arduino UNO board eg
- Prepare an Arduino UNO board with the following contacts:
 - Pin 1 (SCL) connected to A5
 - Pin 2 (SDA) connected to A4
 - Pin 3 (5V) connected to the Arduino 5V map
 - Pin 4 (GND) to grounded map Arduino

Step 3 — Programming



```
CartoucheImprimanteEEPROM Streaming.h Wire.h
#include <Wire.h> //I2C library
#include <Streaming.h>
3
4 typedef enum
5 {
6   CYAN = 0,
7   JAUNE = 1,
8   MAGENTA = 2,
9   NOIR = 3
10 } t_Color;
11
12 String serialInputString = "";
13
14 byte* buffers_neuf[4];
15 int addresses_device[4];
16
17 byte buffers_neufCYAN[128] = { 168,0,1,3,50,2,1,255,100,0,52,48,54,52,56,49,9,8,65,66,24,0,19,53,255,
18 byte buffers_neufJAUNE[128] = { 168,0,1,2,50,4,1,255,100,0,52,48,54,52,55,56,9,8,65,66,17,0,19,84,255,
19 byte buffers_neufMAGENTA[128] = { 168,0,1,3,50,3,1,255,100,0,52,48,54,52,56,49,9,8,65,66,24,0,21,21,2
20 byte buffers_neufNOIR[128] = { 168,0,1,3,50,1,1,255,100,0,52,48,54,52,55,57,9,16,65,66,22,0,52,50,255,
21
22 bool written = false;
23
24 void setup()
25 {
26   Wire.begin(); // initialise the connection
27   Serial.begin(115200);
28
29   addresses_device[CYAN] = 0b1010010;
```

- Download the program file [HERE](#)
- Start Arduino and open the file .ino
- Upload the program on the Arduino Uno board
- Start the serial monitor through the upper right button
- Make contact on the cartridge. We need the 4 contacts are well good together
- Follow directions to reprogram the memory in the right color (Black, Cyan, Magenta, Yellow)

En remettant la cartouche dans l'imprimante, elle voit une cartouche pleine à 100% !

This document was last generated on 2017-07-16 07:14:15 AM.